ONCOSEC MEDICAL Inc Form 424B5 January 31, 2018

The information in this preliminary prospectus supplement is not complete and may be changed. A registration statement relating to these securities has been declared effective by the Securities and Exchange Commission. This preliminary prospectus supplement and the accompanying prospectus are not an offer to sell these securities and we are not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

Filed Pursuant to Rule 424(b)(5)

Registration No. 333-213036

Subject to Completion, dated January 31, 2018

Preliminary Prospectus Supplement

(To the Prospectus dated August 25, 2016)

Shares of Common Stock

OncoSec Medical Incorporated is offering

shares of common stock.

Trading Symbol: Nasdaq Capital Market - "ONCS"

The last reported sales price of our common stock on January 30, 2018 was \$1.82 per share.

Investing in our securities involves a high degree of risk. Before making any investment decision, you should carefully review and consider all the information in this prospectus supplement, the accompanying base prospectus and the documents incorporated by reference herein and therein, including the risks and

uncertainties described under "Risk Factors" beginning on page S-4 of this prospectus supplement and the risk factors incorporated by reference into this prospectus supplement and the accompanying base prospectus.

	Per	Total
	share	
Public offering price	\$	\$
Underwriting discounts and commissions ⁽¹⁾	\$	\$
Proceeds to OncoSec, before expenses	\$	\$

⁽¹⁾See "Underwriting" beginning on page S-16 for additional information regarding total underwriter compensation, including expenses for which we have agreed to reimburse the underwriters.

Delivery of the shares of common stock is expected to be made on or about underwriters an option for a period of 30 days to purchase an additional , 2018. We have granted the shares of our common stock.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying base prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Piper Jaffray Cantor

The date of this prospectus supplement is , 2018.

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ABOUT THIS PROSPECTUS SUPPLEMENT

This document is in two parts. The first part is this prospectus supplement, which describes the specific terms of this offering of common stock and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference in this prospectus supplement and the accompanying prospectus. The second part, the accompanying prospectus, dated August 25, 2016, provides more general information, some of which may not apply to this offering. Generally, when we refer to this prospectus supplement, we are referring to both parts of this document combined. To the extent there is a conflict between the information contained in this prospectus supplement and the information contained in the accompanying prospectus or any document incorporated by reference that was filed with the U.S. Securities and Exchange Commission, or SEC, before the date of this prospectus supplement, you should rely on the information in this prospectus supplement; provided that if any statement in one of these documents is inconsistent with a statement in another document having a later date—for example, a document incorporated by reference in the accompanying prospectus—the statement in the document having the later date modifies or supersedes the earlier statement.

We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference herein were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreements, and should not be deemed to be a representation, warranty or covenant to you. Moreover, such representations, warranties or covenants were accurate only as of the date when made. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of our affairs.

You should rely only on the information contained in this prospectus supplement or the accompanying prospectus, or incorporated by reference herein. We have not authorized, and the underwriters have not authorized, anyone to provide you with information that is different. We take no responsibility for, and can provide no assurances as to the reliability of, any information not contained in this prospectus supplement, any applicable prospectus supplement or any related free writing prospectus that we may authorize to be provided to you. The information contained in this prospectus supplement or the accompanying prospectus, or incorporated by reference herein, is accurate only as of the respective dates thereof, regardless of the time of delivery of this prospectus supplement and the accompanying prospectus, including the documents incorporated by reference herein, in making your investment decision. You should also read and consider the information in the documents to which we have referred you in the sections entitled "Where You Can Find More Information" and "Incorporation by Reference" in this prospectus supplement and in the accompanying prospectus.

We are offering to sell, and seeking offers to buy, shares of our common stock only in jurisdictions where offers and sales are permitted. The distribution of this prospectus supplement and the accompanying prospectus and the offering of the common stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus supplement and the accompanying prospectus must inform themselves about, and

observe any restrictions relating to, the offering of the common stock and the distribution of this prospectus supplement and the accompanying prospectus outside the United States. This prospectus supplement and the accompanying prospectus do not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any securities offered by this prospectus supplement and the accompanying prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

Unless stated or the context requires otherwise, all references in this prospectus supplement to the "Company," "we," "us," "our" and "OncoSec" refer to OncoSec Medical Incorporated, a Nevada corporation, and its consolidated subsidiary. We own the registered trademarks or trademark applications for ImmunoPulse® and OncoSec®. All other trademarks, trade names and service marks included or incorporated by reference into this prospectus supplement, the accompanying base prospectus or any free writing prospectus we have authorized for use in connection with this offering are the property of their respective owners.

PROSPECTUS SUPPLEMENT SUMMARY

This prospectus supplement summary highlights the material information contained in this prospectus supplement, the accompanying base prospectus and the documents incorporated by reference. This summary is not complete and does not contain all of the information you should consider before deciding to invest in our securities. You should carefully review and consider all of the information contained and incorporated by reference in this prospectus supplement and the accompanying base prospectus, including the information under "Risk Factors" beginning on page S-4 of this prospectus supplement and in our most recent annual report on Form 10-K and subsequent quarterly reports on Form 10-Q and our future periodic reports and other filings with the SEC, as well as all other information incorporated by reference herein and therein.

Our Company

We are a biotechnology company focused on designing, developing and commercializing innovative therapies and proprietary medical approaches to stimulate and guide an anti-tumor immune response for the treatment of cancer. Our core platform technology, ImmunoPulse®, is a drug-device therapeutic modality comprised of a proprietary intratumoral electroporation delivery device. The ImmunoPulse® platform is designed to deliver DNA-encoded drugs directly into a solid tumor and promote an inflammatory response against cancer. The ImmunoPulse® device can be adapted to treat different tumor types, and consists of an electrical pulse generator, a reusable handle and disposable applicators. Our lead product candidate, ImmunoPulse® IL-12, uses our electroporation device to deliver a DNA-encoded interleukin-12, or IL-12, called tavokinogene telseplasmid, or tavo, with the aim of reversing the immunosuppressive microenvironment in the tumor and engendering a systemic anti-tumor response against untreated tumors in other parts of the body. In February 2017, we received Fast Track designation from the U.S. Food and Drug Administration, or FDA, for ImmunoPulse® IL-12, which could qualify ImmunoPulse® IL-12 for expedited FDA review, a rolling Biologics License Application review and certain other benefits.

Our current focus is to pursue our registration-directed study of ImmunoPulse® IL-12 in combination with an approved therapy for melanoma in patients who have shown resistance to or relapse from certain other cancer therapies, which we refer to as the PISCES/KEYNOTE-695 study. Most of our present activities are, and we expect most of our near-term expenditures will be, directed toward advancing the PISCES/KEYNOTE-695 study. To this end, in May 2017, we entered into a clinical trial collaboration and supply agreement with a subsidiary of Merck & Co., Inc., or Merck, in connection with the PISCES/KEYNOTE-695 study, in which we have agreed to sponsor and fund the study and Merck has agreed to manufacture and supply its anti-PD-1 therapy KEYTRUDA® for use in the study. The PISCES/KEYNOTE-695 study enrolled the first patient in December 2017.

We also intend to continue to pursue other ongoing or potential new trials and studies related to ImmunoPulse® IL-12, all with the goal of obtaining requisite regulatory approvals from the FDA and comparable regulators in certain other jurisdictions to market and sell this product candidate. For instance, we are in collaboration with the University of California, San Francisco, or UCSF, the sponsor of a multi-center Phase II clinical trial evaluating ImmunoPulse® IL-12 in combination with Merck's KEYTRUDA® for the treatment of advanced, metastatic melanoma in patients who are predicted to not respond to anti-PD-1 therapy alone. Merck is manufacturing and supplying its drug KEYTRUDA® to UCSF to support this trial.

In addition, we are pursuing a biomarker-focused pilot study of ImmunoPulse® IL-12 in triple negative breast cancer (TNBC), which is focused on evaluating the ability of ImmunoPulse® IL-12 to alter the tumor microenvironment and promote a pro-inflammatory response. In January 2018, we reported observational data in two patients that showed clinical response with the sequential treatment of one cycle of ImmunoPulse IL-12 and an anti-PD1 checkpoint inhibitor. We are currently evaluating a clinical development strategy in TNBC in this combination approach while the current study is open for enrollment and is ongoing. Additionally, our Phase II clinical trials of ImmunoPulse® IL-12 as a monotherapy in Merkel Cell carcinoma, melanoma, and head and neck squamous cell carcinoma are now closed and filed. Monotherapy melanoma is closed and the clinical study report is pending.

In addition, we are developing our next-generation electroporation devices, including advancements toward prototypes, pursuing discovery research to identify other product candidates that, like IL-12, can be encoded into DNA, delivered intratumorally using electroporation and used to reverse the immunosuppressive mechanisms of a tumor, and aiming to expand our ImmunoPulse® pipeline beyond the delivery of plasmid-DNA encoding for cytokines to include other molecules that may be critical to key pathways associated with tumor immune subversion.

Corporate Information

We were incorporated under the laws of the State of Nevada on February 8, 2008 under the name Netventory Solutions Inc. to pursue the business of inventory management solutions. Effective March 1, 2011, we completed a merger with our subsidiary for the sole purpose of changing our name to "OncoSec Medical Incorporated". Our principal executive offices are located at 5820 Nancy Ridge Drive, San Diego, California 92121. The telephone number at our principal executive office is (855) 662-6732. Our website address is *www.oncosec.com*. Information contained on our website is not deemed part of this prospectus supplement.

The Offering

Common Stock offered by us pursuant to this prospectus supplement	shares of our common stock, par value \$0.0001 per share
Common Stock to be Outstanding After This Offering	shares (or shares if the underwriters exercise in full their option to purchase additional shares from us) ⁽¹⁾
Option to Purchase Additional Shares	We have granted the underwriters an option to purchase additional shares of our common stock. This option is exercisable, in whole or in part, for a period of 30 days from the date of this prospectus supplement.
Use of Proceeds	We intend to use the net proceeds from this offering primarily for the Phase 2 PISCES/KEYNOTE-695 trial in melanoma, for other clinical and research and development activities, and for working capital and general corporate purposes. See "Use of Proceeds" on page S-7.
Risk Factors	

Investing in our securities involves a high degree of risk. Before making an investment decision, you should carefully review and consider the risks and uncertainties described under "Risk Factors" beginning on page S-4 of this prospectus supplement, on page 6 of the accompanying base prospectus, in our most recent annual report on Form 10-K and subsequent quarterly reports on Form 10-Q and our future periodic reports and other filings with the SEC, as well as all other information incorporated by reference herein and therein.

NASDAQ Capital Market Symbol "ONCS"

⁽¹⁾Based on 29,608,085 shares of our common stock outstanding as of October 31, 2017 as used throughout this prospectus supplement and, unless otherwise indicated, excludes:

3,947,709 shares of common stock issuable upon exercise of outstanding options having a weighted-average exercise price of \$1.83 per share, of which approximately 2,231,392 shares having a weighted-average exercise price of \$2.16 per share were exercisable;

1,100,000 shares of common stock issuable upon the vesting and settlement of outstanding restricted stock units;

222,291 shares of common stock reserved for issuance and available for future grant under our 2011 Stock Incentive Plan (as amended);

441,934 shares of common stock reserved for issuance and available for future grant under our Employee Stock Purchase Plan; and

12,526,340 shares of common stock issuable upon exercise of outstanding warrants having a weighted-average exercise price of \$2.48 per share.

Unless otherwise indicated, all information in this prospectus supplement assumes no exercise of the underwriters' option to purchase an additional shares of our common stock.

Intellectual Property

We believe our success and ability to compete depends in large part on our ability to protect our proprietary rights and technologies, including obtaining and maintaining patent, trademark and trade secret protection of our product candidates and their respective components and underlying technologies, including devices, formulations, manufacturing methods and methods of treatment, and appropriately safeguarding unpatented proprietary rights, including trade secrets and know-how. As of January 1, 2018, we owned 11 unexpired U.S. patents and several patents in foreign jurisdictions, and also have 17 U.S. Patents that expired prior to the end of 2017. We are also currently prosecuting several pending patent applications in various jurisdictions. In addition, we have exclusively licensed intellectual property rights from the University of South Florida ("USF") that cover the use of our electroporation technology, which delivers DNA-based cytokines as an immunotherapy. We have also licensed intellectual property rights relating to catheter-based delivery devices from USF. From these in-licensed portfolios, we have access to five issued U.S. patents, one pending U.S. patent application, and several pending patent applications in foreign jurisdictions. We will continue to file additional patent applications, when appropriate, as our research and development efforts continue. The majority of the patents in our portfolio, including owned and in-licensed patents

and fundamental patents directed toward our proprietary technology, expire between 2018 and 2030. Importantly, although we obtained patent protection for our current clinical device, through an asset purchase agreement from Inovio Pharmaceuticals, Inc. ("Inovio"), the primary U.S. patent providing such protection expired in September 2017 and our international patent providing such protection will expire in 2018. Nonetheless, the method of use patents we have exclusively licensed from USF cover the use of the ImmunoPulse® technology under specific electroporation parameters. These patents expire between 2025 and 2027.

In addition, we have entered into a cross-license agreement for certain electroporation technology with Inovio. Under the terms of the agreement, Inovio has granted us a non-exclusive, worldwide license under certain of its electroporation patents, and in exchange, we have granted to Inovio an exclusive license to certain of our purchased technology in a limited field of use. The currently unexpired patents licensed from Inovio, however, do not protect the technology related to our ImmunoPulse® clinical device.

RISK FACTORS

Investing in our securities involves a high degree of risk. Before purchasing our securities, you should carefully read and consider the following risk factors, as well as all other information contained and incorporated by reference in this prospectus supplement and the accompanying base prospectus, including our consolidated financial statements and the related notes and our disclosures under "Risk Factors" in our most recent annual report on Form 10-K and subsequent quarterly reports on Form 10-Q and our future periodic reports and other filings with the SEC. Each of these risk factors, either alone or taken together, could adversely affect our business, operating results and financial condition, as well as the value of an investment in our securities. There may be additional risks that we do not presently know of or that we currently believe are immaterial, which could also impair our business and financial position. If any of the events described below were to occur, our financial condition, our ability to access capital resources, our results of operations and/or our future growth prospects could be materially and adversely affected and the market price of our common stock could decline. As a result, you could lose some or all of any investment you may make in our securities.

Risks Related to this Offering and Our Common Stock

Our management will have broad discretion over the use of the net proceeds from this offering.

We intend to use the net proceeds from this offering primarily for the Phase 2 PISCES/KEYNOTE-695 trial in melanoma, for other clinical and research and development activities, and for working capital and general corporate purposes. This represents our best estimate of the manner in which we will use any net proceeds we receive from this offering based on the status of our business, but we have not reserved or allocated amounts for specific purposes and we cannot specify with certainty how or when we would use any net proceeds. As a result, we will have broad discretion in the application of any net proceeds we receive from this offering and we could use any such proceeds for purposes other than those currently contemplated. You will not have the opportunity, as part of your investment decision, to assess whether any such proceeds are being used effectively or in a manner with which you agree. The net proceeds, if any, may be used for corporate purposes that do not increase our operating results or the value of our common stock, on a near-term or long-term basis. Further, until any net proceeds are used, they may be placed in investments that do not produce income or that lose value.

You will experience dilution.

The offering price per share in this offering is substantially higher than the book value per share of our common stock before giving effect to this offering. As a result, purchasers of shares of our common stock in this offering will suffer

immediate and substantial dilution of \$ per share in the net tangible book value of our common stock, based on an offering price of \$ per share. See "Dilution" below for more information.

In addition, even after giving effect to the net proceeds from this offering, we will need significant additional capital to continue operating our business and to fund our planned operations. As a result, depending on market conditions, our capital requirements and strategic considerations, it is likely that we will need to pursue additional equity or convertible debt financings in the near term. Also, we may issue equity or convertible debt securities for other purposes, including, among others, stock splits, acquiring other businesses or assets or in connection with strategic alliances, attracting and retaining employees with equity compensation, anti-takeover purposes or other transactions. To the extent we raise additional capital or pursue any of these other purposes through the sale of equity or convertible debt securities, the issuance of these securities could result in further dilution to our stockholders. Additionally, the exercise of any options or warrants to purchase shares of our common stock will further increase dilution to purchasers in this offering. Moreover, resales in the public market of any of these shares, or the perception that such resales could occur, could cause the market price for our common stock to decline.

Because we do not anticipate paying any cash dividends on our capital stock in the foreseeable future, capital appreciation, if any, will be your sole source of gain.

We have never declared or paid cash dividends on our capital stock. We currently intend to retain all of our future earnings, if any, to finance the growth and development of our business. As a result, capital appreciation, if any, of our common stock will be your sole source of gain for the foreseeable future.

SPECIAL CAUTIONARY NOTICE REGARDING FORWARD-LOOKING STATEMENTS

Certain matters discussed in this prospectus supplement and the accompanying prospectus, including matters discussed under the caption "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K and our Quarterly Reports on Form 10-Q, each as incorporated by reference herein, may constitute forward-looking statements for purposes of the Securities Act of 1933, as amended, or the Securities Act, and the Securities Exchange Act of 1934, as amended, or the Exchange Act, and involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from the future results, performance or achievements expressed or implied by such forward-looking statements. The words "anticipate," "believe," "estimate," "may," "expect" and similar expressions are generally intended to identify forward-looking statements. Our actual results may differ materially from the results anticipated in these forward-looking statements due to a variety of factors, including, without limitation, those discussed under the captions "Risk factors," "Management's Discussion and Analysis of Financial Condition and Results of Operations" and elsewhere in this prospectus supplement and the documents incorporated by reference herein, as well as other factors which may be identified from time to time in our other filings with the SEC, or in the documents where such forward-looking statements appear. All written or oral forward-looking statements attributable to us are expressly qualified in their entirety by these cautionary statements.

Some of the factors that we believe could cause actual results to differ from those anticipated or predicted include:

the success and timing of our clinical trials, including safety and efficacy of our product candidates, patient accrual, unexpected or expected safety events, and the usability of data generated from our trials;

our ability to successfully file and obtain timely marketing approval from the U.S. Food and Drug Administration, or FDA, or comparable foreign regulatory agency for one or more Biologics License Applications, or BLAs, or New Drug Applications, or NDAs;

our ability to obtain and maintain marketing approval from regulatory agencies for our products in the U.S. and foreign countries;

our ability to adhere to ongoing compliance requirements of all health authorities, in the U.S. and foreign countries;

our ability to obtain and maintain adequate reimbursement for our products;

our ability to obtain the desired labeling of our products under any regulatory approval we might receive;

our plans to develop and commercialize our products;

the successful development and implementation of sales and marketing campaigns;

the loss of key scientific or management personnel;

the size and growth of the potential markets for our product candidates and our ability to serve those markets;

our ability to successfully compete in the potential markets for our product candidates, if commercialized;

regulatory developments in the United States and foreign countries;

the rate and degree of market acceptance of any of our product candidates;

new products, product candidates or new uses for existing products or technologies introduced or announced by our competitors and the timing of these introductions or announcements;

market conditions in the pharmaceutical and biotechnology sectors;

our available cash and investments;

the accuracy of our estimates regarding expenses, future revenues, capital requirements and needs for additional financing;

our ability to obtain additional funding;

our ability to obtain and maintain intellectual property protection for our product candidates;

our ability to maintain the license agreements for our product candidates;

the success and timing of our preclinical studies, including those intended to support an Investigational New Drug, or IND, application;

the ability of our product candidates to successfully perform and advance in clinical trials;

our ability to obtain and maintain authorization from regulatory authorities for use of our product candidates for initiation and conduct of clinical trials;

our ability to manufacture and supply our products, gain access to products we plan to use in combination studies and the performance of and reliance on third-party manufacturers and suppliers;

the performance of our clinical research organizations, clinical trial sponsors, and clinical trial investigators;

our ability to successfully implement our strategy; and

those risks discussed (i) under the heading "Risk Factors" on page S-4 of this prospectus supplement, (ii) in the section titled "Risk Factors" in our Annual Report on Form 10-K for the year ended July 31, 2017 filed with the SEC, and (iii) in other filings we make with the SEC from time to time.

The forward-looking statements contained in this prospectus supplement and the accompanying prospectus reflect our views and assumptions only as of the date of this prospectus supplement. Except as required by law, we assume no responsibility for updating any forward-looking statements.

We qualify all of our forward-looking statements by these cautionary statements. In addition, with respect to all of our forward-looking statements, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995.

If our forward-looking statements prove to be inaccurate, the inaccuracy may be material. In light of the significant uncertainties in these forward-looking statements, you should not regard these statements as a representation or warranty by us or any other person that we will achieve our objectives and plans in any specified time frame, or at all. Given these uncertainties, readers should not place undue reliance on our forward-looking statements.

USE OF PROCEEDS

We estimate the net proceeds to us from the sale of our common stock in this offering, if any, after deducting underwriting discounts and commissions and other estimated offering expenses paid or payable by us, will be approximately \$ million. If the underwriters exercise the option to purchase an additional shares of our common stock in full, we estimate that the net proceeds from this offering will be approximately \$ million, after deducting underwriting discounts and commissions and other estimated offering expenses paid or payable by us.

We intend to use the net proceeds from this offering primarily for the Phase 2 PISCES/KEYNOTE-695 trial in melanoma, for other clinical and research and development activities, and for working capital and general corporate purposes. This represents our best estimate of the manner in which we will use any net proceeds we receive from this offering based on the status of our business, but we have not reserved or allocated amounts for specific purposes and we cannot specify with certainty how or when we would use any net proceeds. Amounts and timing of actual expenditures will depend on numerous factors, including, among others, our clinical trial programs and other research and development activities, as well as the amount of cash we use in our operations. We may also use the net proceeds from this offering for acquisitions of complementary products, technologies or businesses, but we do not have any current plans, agreements or commitments for any specific acquisitions at this time. We will have broad discretion in the application of any net proceeds we receive from this offering, and we could use any such proceeds for purposes other than those currently contemplated.

Until the funds are used, we intend to invest any net proceeds from this offering in interest-bearing money market or other accounts or investment grade securities.

PRICE RANGE OF COMMON STOCK

Our common stock is listed on The NASDAQ Capital Market under the symbol "ONCS" and has been publicly traded since April 8, 2011.

As of January 30, 2018, the last sale price of our common stock was \$1.82 per share, as reported by The NASDAQ Capital Market. There were approximately 38 holders of record of our common stock as of that date. We believe that the actual number of stockholders is greater than this number of record holders and includes stockholders who are beneficial owners but whose shares are held in street name by brokers and other nominees. This number of holders of record also does not include stockholders whose shares may be held in trust by other entities.

The following table sets forth the ranges of high and low sales price per share of our common stock as reported on The NASDAQ Capital Market for the periods indicated.

	High	Low
2016		
First Quarter	\$ 3.15	\$ 1.36
Second Quarter	\$ 3.49	\$ 1.43
Third Quarter	\$ 1.95	\$ 1.59
Fourth Quarter	\$ 2.08	\$ 1.19
2017		
First Quarter	\$ 1.69	\$ 1.03
Second Quarter	\$ 1.40	\$ 0.88
Third Quarter	\$ 1.19	\$ 0.88
Fourth Quarter	\$ 2.95	\$ 0.94
2018		
First Quarter (through January 30, 2018)	\$ 2.17	\$ 1.63

DIVIDEND POLICY

We have never paid cash dividends on our common stock. Moreover, we do not anticipate paying periodic cash dividends on our common stock for the foreseeable future. We intend to use all available cash and liquid assets in the operation and growth of our business. Any future determination about the payment of dividends will be made at the discretion of our board of directors and will depend upon our earnings, if any, capital requirements, operating and financial conditions and on such other factors as our board of directors deems relevant.

CAPITALIZATION

The following table sets forth our capitalization as of October 31, 2017:

on an actual basis; and

on an as adjusted basis to reflect the sale of the shares of common stock offered by us in this offering (assuming no exercise of the underwriters' option to purchase additional shares) at the public offering price of \$ per share, after deducting underwriting discounts and commissions and other estimated offering expenses payable by us.

You should read this table together with our financial statements and related notes and the "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K for the year ended July 31, 2017 and our Quarterly Report on Form 10-Q for the quarter ended October 31, 2017.

			ober 31, 2017 audited)	7
(in thousands, except share data)		Actual		As adjusted
Cash, cash equivalents, short-term investments and long-terr Stockholders' equity:		\$	14,661,418	, and the second se
Common stock, \$0.0001 par value per share, 160,000,000 sh shares actual and shares as adjusted, issued and outsta		2,9	61	
Additional paid-in capital	-	99,	688,473	
Warrants, 12,526,340, issued and outstanding, and and outstanding	shares as adjusted, issued	14,	,702,980	
Accumulated other comprehensive loss		(10),365)
Accumulated deficit		(10	00,844,907)	
Total stockholders' equity		13,	,539,142	
Total capitalization		\$	18,696,543	

The foregoing table does not include the following:

3,947,709 shares of common stock issuable upon exercise of outstanding options having a weighted-average exercise price of \$1.83 per share, of which approximately 2,231,392 shares having a weighted-average exercise price of \$2.16 per share were exercisable;

1,100,000 shares of common stock issuable upon the vesting and settlement of outstanding restricted stock units;

222,291 shares of common stock reserved for issuance and available for future grant under our 2011 Stock Incentive Plan (as amended);

441,934 shares of common stock reserved for issuance and available for future grant under our Employee Stock Purchase Plan; and

12,526,340 shares of common stock issuable upon exercise of outstanding warrants having a weighted-average exercise price of \$2.48 per share.

DILUTION

If you invest in our common stock in this offering, you will experience immediate dilution to the extent of the difference between the public offering price per share in this offering and the net tangible book value per share of our common stock immediately after this offering. Our net tangible book value per share is determined by dividing our total tangible assets, less total liabilities, by the number of shares of our common stock outstanding as of a particular date.

As of October 31, 2017, our net tangible book value was approximately \$13,539,142, or \$0.46 per share of our common stock, based upon 29,608,085 shares of our common stock outstanding as of that date.

After giving effect to the sale of shares of common stock in this offering at a public offering price of \$ per share, and after deducting estimated underwriting discounts and commission and other estimated offering expenses paid or payable by us, our adjusted net tangible book value as of October 31, 2017 would have been approximately \$ million, or approximately \$ per share. This represents an immediate increase in net tangible book value of \$ per share to our existing stockholders and immediate dilution in net tangible book value of \$ per share to purchasers in this offering. The following table illustrates this calculation on a per share basis:

Offering price per share in this offering		\$
Net tangible book value per share as of October 31, 2017	\$0.46	
Increase in net tangible book value per share attributable to purchasers in this offering		
Adjusted net tangible book value per share as of October 31, 2017 after giving effect to this offering		
Dilution in net tangible book value per share to purchasers in this offering		\$

If the underwriters exercise their option to purchase additional shares in this offering in full at the public offering price of \$ per share, and after deducting estimated underwriting discounts and commissions and other estimated offering expenses payable by us, the as adjusted net tangible book value after the offering would be \$ per share, the increase in as adjusted net tangible book value per share to existing stockholders would be \$ and the immediate dilution per share to new investors would be \$ per share.

The table above is based on 29,608,085 shares of our common stock outstanding as of October 31, 2017 and excludes all of our securities issued subsequent to that date and also exclude, as of that date:

3,947,709 shares of common stock issuable upon exercise of outstanding options having a weighted-average exercise price of \$1.83 per share, of which approximately 2,231,392 shares having a weighted-average exercise price of \$2.16 per share were exercisable;

1,100,000 shares of common stock issuable upon the vesting and settlement of outstanding restricted stock units;

222,291 shares of common stock reserved for issuance and available for future grant under our 2011 Stock Incentive Plan (as amended);

441,934 shares of common stock reserved for issuance and available for future grant under our Employee Stock Purchase Plan; and

12,526,340 shares of common stock issuable upon exercise of outstanding warrants having a weighted-average exercise price of \$2.48 per share.

The above illustration of dilution per share to investors participating in this offering assumes no exercise of options or warrants to purchase shares of our common stock. The exercise of any such securities will increase dilution to purchasers in this offering. In addition, depending on market conditions, our capital requirements and strategic considerations, it is likely that we will need to pursue additional equity or convertible debt financings in the near term. Also, we may issue equity or convertible debt securities for other purposes, including, among others, stock splits, acquiring other businesses or assets or in connection with strategic alliances, attracting and retaining employees with equity compensation, anti-takeover purposes or other transactions. To the extent we raise additional capital or pursue any of these other purposes through the sale of equity or convertible debt securities, the issuance of these securities could result in further dilution to our stockholders.

MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES TO NON-U.S. HOLDERS

The following is a summary of the material United States federal income tax consequences relating to the acquisition, ownership and disposition of our common stock as of the date hereof. Except where noted, this summary deals only with our common stock that is held as a capital asset (within the meaning of Section 1221 of the Internal Revenue Code of 1986, as amended (the "Code") by a "non-U.S. holder" (as defined below).

For purposes of this summary, a "non-U.S. holder" means a beneficial owner of our common stock (other than a partnership or any other entity treated as a partnership for United States federal income tax purposes) that is not for United States federal income tax purposes any of the following:

an individual citizen or resident of the United States;

a corporation (or any other entity treated as a corporation for United States federal income tax purposes) created or organized in or under the laws of the United States, any state thereof or the District of Columbia;

an estate the income of which is subject to United States federal income taxation regardless of its source; or

a trust if it (1) is subject to the primary supervision of a court within the United States and one or more United States persons have the authority to control all substantial decisions of the trust or (2) has a valid election in effect under applicable United States Treasury regulations ("Treasury Regulations") to be treated as a United States person.

This summary is based upon provisions of the Code and Treasury Regulations, administrative rulings and judicial decisions currently in effect, all as of the date hereof and all subject to change at any time, possibly with retroactive effect, or to different interpretation by the Internal Revenue Service ("IRS"). This summary does not address all aspects of United States federal taxes and does not address any foreign, state, local or other tax considerations that may be relevant to non-U.S. holders in light of their personal circumstances. In addition, this summary does not represent a detailed description of the United States federal income tax consequences applicable to holders that are subject to special treatment under the United States federal income tax laws (including a holder that is a United States expatriate, "controlled foreign corporation," "passive foreign investment company," "real estate investment trust," "regulated investment company," dealer in securities or currencies, financial institution, tax-exempt entity, insurance company, person holding our common stock as part of a hedging, integrated, conversion or constructive sale transaction or a straddle, trader in securities that elects to use a mark-to-market method of accounting, person liable for the alternative minimum tax, person who acquired our common stock as compensation for services, or a partnership or other pass-through entity, or partner in a partnership or beneficial owner of a pass-through entity that holds our common stock for United States federal income tax purposes). We cannot provide assurance that a change in law will not alter significantly the tax considerations that we describe in this summary.

If a partnership (or other entity treated as a partnership for U.S. federal income tax purposes) holds our common stock, the tax treatment of a partner will generally depend upon the status of the partner and the activities of the partnership. Non-U.S. holders that are partners of a partnership holding our common stock should consult their tax advisors.

Non-U.S. holders considering the purchase of our common stock should consult their own tax advisors concerning the particular United States federal income and estate tax consequences of the ownership of our common stock, as well as the consequences arising under the laws of any other taxing jurisdiction.

Distribution on our Common Stock

Distributions paid on our common stock will be taxable as dividends to the extent paid out of current or accumulated earnings and profits, as determined under United States federal income tax principles. Dividends paid to a non-U.S. holder of our common stock generally will be subject to United States federal withholding tax at a 30% rate or such lower rate as may be specified by an applicable income tax treaty. However, dividends that are effectively connected with the conduct of a trade or business by the non-U.S. holder within the United States (and, if required by an applicable income tax treaty, are attributable to a United States permanent establishment) are not subject to United States federal withholding tax, provided certain certification and disclosure requirements are satisfied. Instead, such dividends are subject to United States federal income tax on a net income basis in the same manner as if the non-U.S. holder were a United States person as defined under the Code. Any such effectively connected dividends received by a foreign corporation may, under certain circumstances, be subject to an additional "branch profits tax" at a 30% rate or such lower rate as may be specified by an applicable income tax treaty.

A non-U.S. holder of our common stock who wishes to claim the benefit of an applicable treaty rate and avoid backup withholding, as discussed below, for dividends will be required (a) to complete IRS Form W-8BEN or W-8BEN-E(or other applicable form) and certify under penalty of perjury that such holder is not a "United States person" as defined under the Code and is eligible for treaty benefits or (b) if the common stock is held through certain foreign intermediaries, to satisfy the relevant certification requirements of applicable Treasury Regulations. Special certification and other requirements apply to certain non-U.S. holders that are pass-through entities rather than corporations or individuals.

A non-U.S. holder of our common stock eligible for a reduced rate of United States withholding tax pursuant to an income tax treaty may obtain a refund of any excess amounts withheld by filing an appropriate claim for refund with the IRS.

Gain on Disposition of our Common Stock

Any gain realized on the disposition of our common stock by a non-U.S. holder generally will not be subject to United States federal income tax unless:

the gain is effectively connected with a trade or business of the non-U.S. holder in the United States (and, if required by an applicable income tax treaty, is attributable to a United States permanent establishment of the non-U.S. holder);

the non-U.S. holder is an individual who is present in the United States for 183 days or more in the taxable year of that disposition, and certain other conditions are met; or

we are or have been a "United States real property holding corporation" for United States federal income tax purposes at any time during the shorter of the five-year period ending on the date of the disposition or such non-U.S. holder's holding period for our common stock and such non-U.S. holder held (at any time during the shorter of the five-year period ending on the date of the disposition or such non-U.S. holder's holding period) more than 5% of our common stock.

An individual non-U.S. holder described in the first bullet point immediately above will be subject to tax on the net gain derived from the sale under regular graduated United States federal income tax rates. If a non-U.S. holder that is a foreign corporation falls under the first bullet point immediately above, it will be subject to tax on its net gain in the same manner as if it were a "United States person" as defined under the Code and, in addition, may, under certain circumstances, be subject to a branch profits tax equal to 30% of its effectively connected earnings and profits or at such lower rate as may be specified by an applicable income tax treaty.

We believe we have not been and are not currently a "United States real property holding corporation" for United States federal income tax purposes; however, no assurance can be given that we are not or will not become one in the future. If, however, we are or become a "United States real property holding corporation," so long as our common stock continues to be regularly traded on an established securities market, only a non-U.S. holder who holds, or held (at any time during the shorter of the five-year period ending on the date of disposition or the non-U.S. holder's holding period) more than 5% of our common stock will be subject to United States federal income tax on the disposition of the common stock. Non-U.S. holders should consult their own tax advisors about the consequences that could result if we are, or become, a "United States real property holding corporation."

Information Reporting and Backup Withholding

We must report annually to the IRS and to each non-U.S. holder the amount of dividends paid to such holder and the tax withheld with respect to such dividends, regardless of whether withholding was required. Copies of the information returns reporting such dividends and withholding may also be made available to the tax authorities in the country in which the non-U.S. holder resides under the provisions of an applicable income tax treaty.

A non-U.S. holder will be subject to backup withholding for dividends paid to such holder unless such holder certifies under penalty of perjury that it is a non-U.S. holder (and the payor does not have actual knowledge or reason to know that such holder is a "United States person" as defined under the Code), or such holder otherwise establishes an exemption.

Information reporting and, depending on the circumstances, backup withholding will apply to the proceeds of a sale of our common stock within the United States or conducted through certain United States-related financial intermediaries, unless the beneficial owner certifies under penalty of perjury that it is a non-U.S. holder (and the payor does not have actual knowledge or reason to know that the beneficial owner is a "United States person" as defined under the Code), or such owner otherwise establishes an exemption.

Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules may be allowed as a refund or a credit against a non-U.S. holder's United States federal income tax liability provided the required information is furnished to the IRS.

FATCA Withholding Requirements

Sections 1471 to 1474 of the Code (such sections, and the Treasury Regulations and administrative guidance issued thereunder, commonly-referred to as FATCA) impose a 30% United States withholding tax on certain 'withholdable payments' made to a "foreign financial institution" or a "nonfinancial foreign entity." "Withholdable payments" include payments of dividends and the gross proceeds from a disposition of certain property (such as shares of our common stock), if such disposition occurs after December 31, 2018. In general, if a holder is a "foreign financial institution", the 30% withholding tax will apply to withholdable payments made to such holder, unless such holder enters into an agreement with the United States Department of Treasury to collect and provide substantial information regarding its United States account holders, including certain account holders that are foreign entities with United States owners, and to withhold 30% on certain "pass-through payments". If such holder is a "non-financial foreign entity." FATCA also generally will impose a withholding tax of 30% on withholdable payments made to such holder unless the holder provides the withholding agent with a certification that it does not have any "substantial United States owners" or a

certification identifying its direct and indirect substantial United States owners. Intergovernmental agreements between the United States and a holder's resident country may modify the foregoing requirements.

Non-U.S. holders should consult their own tax advisers regarding the impact of FATCA on their ownership and disposition of shares of our common stock and the potential applicability of any intergovernmental agreements.

UNDERWRITING

Piper Jaffray & Co. is acting as representative of each of the underwriters named below. Subject to the terms and conditions stated in the purchase agreement entered into with Piper Jaffray as representative of the several underwriters dated as of the date of this prospectus supplement, we have agreed to sell to the underwriters, and each of the underwriters has severally agreed to purchase from us, the number of shares of our common stock set forth opposite the underwriter's name in the following table.

UNDERWRITER OF SHARES Piper Jaffray & Co. Cantor Fitzgerald & Co.

Total

Subject to the terms and conditions set forth in the purchase agreement, the underwriters have agreed, severally and not jointly, to purchase all of the shares sold under the purchase agreement if any of these shares are purchased. If an underwriter defaults, the purchase agreement provides that the purchase commitments of the non-defaulting underwriters may be increased or the purchase agreement may be terminated.

We have agreed to indemnify the several underwriters against certain liabilities, including liabilities under the Securities Act relating to losses or claims resulting from material misstatements in or omissions from this prospectus supplement, the registration statement of which this prospectus is a part, certain free writing prospectuses that may be used in the offering and in any marketing materials used in connection with this offering and to contribute to payments the underwriters may be required to make in respect of those liabilities.

The underwriters are offering the shares, subject to prior sale, when, as and if issued to and accepted by them, subject to approval of legal matters by their counsel, including the validity of the shares, and other conditions contained in the purchase agreement, such as the receipt by the underwriters of officers' certificates and legal opinions. The underwriters reserve the right to withdraw, cancel or modify offers to the public and to reject orders in whole or in part.

Commissions and Discounts

The representative has advised us that the underwriters propose initially to offer the shares to the public at the public offering price set forth on the cover page of this prospectus and to dealers at that price less a concession not in excess of \$ per share. After the initial offering, the public offering price, concession or any other term of this offering may be changed.

We have granted to the underwriters an option, exercisable for 30 days from the date of this prospectus, to purchase up to additional shares of our common stock at the public offering price listed on the cover page of this prospectus, less underwriting discounts and commissions. To the extent the option is exercised, each underwriter will become obligated, subject to certain conditions, to purchase approximately the same percentage of the additional shares of common stock as the number listed next to the underwriter's name in the preceding table bears to the total number of shares of common stock listed next to the names of all underwriters in the table above.

The following table shows the public offering price, underwriting discounts and commissions and proceeds before expenses to us. The information assumes either no exercise or full exercise by the underwriters of their option to purchase additional shares.

		Tot	al
	Per	Withð Mith Optio Diption	
	Share		
Public offering price	\$	\$	\$
Underwriting discounts and commissions paid by us	\$	\$	\$
Proceeds to us, before expenses	\$	\$	\$

The estimated offering expenses payable by us, exclusive of the underwriting discounts and commissions, are approximately \$. We have agreed to reimburse the underwriters for certain of their expenses in an amount not to exceed \$150,000, as set forth in the purchase agreement.

Our common stock is listed on The NASDAQ Capital Market under the trading symbol "ONCS."

No Sales of Similar Securities

We and each of our directors and executive officers have agreed that we and they will not, without the prior written consent of Piper Jaffray, subject to certain limited exceptions, directly or indirectly:

offer, pledge, announce the intention to sell, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, make any short sale or otherwise transfer or dispose of, directly or indirectly, any shares of common stock or any securities convertible into, exercisable or exchangeable for or that represent the right to receive common stock (including without limitation, common stock which may be deemed to be beneficially owned by the holder in accordance with the rules and regulations of the SEC and securities which may be issued upon exercise of a stock option or warrant) whether now owned or hereafter acquired;

enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the holder's securities;

make any demand for or exercise any right with respect to, the registration of any common stock or any security convertible into or exercisable or exchangeable for common stock in each case that would require us to file a registration statement with the next 90 days of the date of the lock-up agreement; or

publicly disclose the intention to do any of the foregoing,

for a period of 90 days after the public offering date set forth in this prospectus. However, in the case of our directors and executive officers subject to the 90-day restricted period, these restrictions will not apply to transfers of our common stock or any security convertible into or exercisable for our common stock: (i) as a bona fide gift or gifts made by the holder, (ii) to any trust for the direct or indirect benefit of the holder or the holder's immediate family, (iii) upon death by will or intestate succession or (iv) pursuant to the purchase agreement; provided, in the case of clauses (i)-(iii), that (x) such transfers do not involve a disposition for value, (y) the transferee agrees in writing to be bound to the 90-day restricted period for subsequent transfers, and (z) no filing by any party under Section 16(a) of the Exchange Act is required or shall be made voluntarily in connection with such transfer during the 90-day restricted period. In addition the restrictions will also not apply to (i) the exercise, conversion or exchange of any options or other convertible securities outstanding on the date the lockup agreement was signed (including by "net" or "cashless" exercise effected by the delivery or sale of the holder's securities to us to the extent permitted by the instruments representing such options or other convertible securities and including the transfer of shares of common stock to us to satisfy tax withholding obligations in connection therewith), provided that no filing under Section 16(a) of the Exchange Act by any party is required or will be voluntarily made in connection with such exercise, conversion or exchange that reports a disposition of shares of common stock, except to report any transfer of shares of common stock to us to finance a "cashless" exercise or to satisfy tax withholding obligations as described above, and provided further, that such restrictions shall apply to any of the holder's securities issued upon such exercise, conversion or exchange, or (ii) the establishment of any contract, instruction or plan that satisfies all of the requirements of Rule 10b5-1(c)(1)(i)(B) under the Exchange Act; provided, that no sales of the holder's securities shall be made pursuant to such a plan prior to the expiration of the 90-day restricted period, and such a plan may only be established if no public announcement of the establishment or existence thereof, and no filing with the SEC or other regulatory authority in respect thereof or transactions thereunder or contemplated thereby, is required or made voluntarily by the holder, us or any other person during the 90-day restricted period. The restrictions also do not apply to any securities acquired by a holder in the open market after the date of the lock-up agreement, provided that no filing under Section 16(a) of the Exchange Act is required or will be voluntarily made in connection with any subsequent sale, transfer, gift or disposition.

During the 90-day restricted period, we may issue securities (a) to the Underwriters pursuant to the purchase agreement, (b) to directors, officers, employees and consultants of the Company pursuant to employee benefit plans, equity incentive plans or other employee compensation plans existing on the date of this prospectus and as described in this prospectus or (c) pursuant to the exercise or conversion of any options, warrants, rights or convertible securities outstanding on the date of this prospectus.

Piper Jaffray may, in its sole discretion and at any time or from time to time before the termination of the 90-day restricted period, release all or any portion of the securities subject to lock-up agreements. There are no existing agreements between the underwriters and any of our stockholders who will execute a lock-up agreement providing consent to the sale of shares prior to the expiration of the 90-day restricted period.

Price Stabilization, Short Positions and Penalty Bids

Until the distribution of the shares is completed, SEC rules may limit underwriters and selling group members from bidding for and purchasing shares of our common stock. However, the representatives may engage in transactions that stabilize the price of our common stock, such as bids or purchases to peg, fix or maintain that price.

In connection with this offering, the underwriters may purchase and sell shares of our common stock in the open market. These transactions may include short sales, purchases on the open market to cover positions created by short sales and stabilizing transactions. Short sales involve the sale by the underwriters of a greater number of shares than they are required to purchase in this offering. "Covered" short sales are sales made in an amount not greater than the underwriters' option to purchase additional shares described above. The underwriters may close out any covered short position by either exercising their option to purchase additional shares or purchasing shares in the open market. In determining the source of shares to close out the covered short position, the underwriters will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the option to purchase additional shares. "Naked" short sales are sales in excess of the option to purchase additional shares. "Naked" short position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of our common stock in the open market after pricing that could adversely affect investors who purchase in this offering. Stabilizing transactions consist of various bids for or purchases of shares of our common stock made by the underwriters in the open market prior to the closing of this offering.

The underwriters may also impose a penalty bid. This occurs when a particular underwriter repays to the underwriters a portion of the underwriting discount received by it because the representatives have repurchased shares sold by or for the account of such underwriter in stabilizing or short covering transactions.

Similar to other purchase transactions, the underwriters' purchases to cover the syndicate short sales may have the effect of raising or maintaining the market price of our common stock or preventing or retarding a decline in the market price of our common stock. As a result, the price of our common stock may be higher than the price that might otherwise exist in the open market. The underwriters may conduct these transactions on NASDAQ, in the over-the-counter market or otherwise.

Neither we nor any of the underwriters make any representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of our common stock. In addition, neither we nor any of the underwriters make any representation that the representatives will engage in these transactions or that these transactions, once commenced, will not be discontinued without notice.

Electronic Offer, Sale and Distributions of Shares

In connection with this offering, certain of the underwriters or securities dealers may distribute prospectuses by electronic means, such as e-mail. In addition, one or more of the underwriters may facilitate Internet distribution for this offering to certain of their Internet subscription customers. Any such underwriter may allocate a limited number of shares for sale to its online brokerage customers. An electronic prospectus is available on the Internet websites maintained by any such underwriter. Other than the prospectus in electronic format, the information on the websites of any such underwriter is not part of this prospectus.

Other Relationships

The underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, financing and brokerage activities. Certain of the underwriters and their affiliates have engaged in, and may in the future engage in, investment banking and other commercial dealings in the ordinary course of business with us or our affiliates. They have received, or may in the future receive, customary fees and commissions for these transactions.

In the ordinary course of their various business activities, the underwriters and their respective affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers, and such investment and securities activities may involve securities and/or instruments of the issuer. The underwriters and their respective affiliates may also make investment recommendations and/or publish or express independent research views in respect of such securities or instruments and may at any time hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

Notice to Prospective Investors in the European Economic Area

In relation to each member state of the European Economic Area that has implemented the Prospectus Directive (each, a relevant member state), with effect from and including the date on which the Prospectus Directive is implemented in that relevant member state (the relevant implementation date), an offer of shares described in this prospectus supplement may not be made to the public in that relevant member state other than:

to any legal entity which is a qualified investor as defined in the Prospectus Directive;

to fewer than 100 or, if the relevant member state has implemented the relevant provision of the 2010 PD Amending Directive, 150 natural or legal persons (other than qualified investors as defined in the Prospectus Directive), as permitted under the Prospectus Directive, subject to obtaining the prior consent of the relevant Dealer or Dealers nominated by us for any such offer; or

in any other circumstances falling within Article 3(2) of the Prospectus Directive,

provided that no such offer of shares shall require us or any underwriter to publish a prospectus pursuant to Article 3 of the Prospectus Directive.

For purposes of this provision, the expression an "offer of securities to the public" in any relevant member state means the communication in any form and by any means of sufficient information on the terms of the offer and the shares to be offered so as to enable an investor to decide to purchase or subscribe for the shares, as the expression may be varied in that member state by any measure implementing the Prospectus Directive in that member state, and the expression "Prospectus Directive" means Directive 2003/71/EC (and amendments thereto, including the 2010 PD Amending Directive, to the extent implemented in the relevant member state) and includes any relevant implementing measure in the relevant member state. The expression 2010 PD Amending Directive means Directive 2003/73/EU.

The sellers of the shares have not authorized and do not authorize the making of any offer of shares through any financial intermediary on their behalf, other than offers made by the underwriters with a view to the final placement of the shares as contemplated in this prospectus supplement. Accordingly, no purchaser of the shares, other than the underwriters, is authorized to make any further offer of the shares on behalf of the sellers or the underwriters.

Notice to Prospective Investors in the United Kingdom

This prospectus supplement and the accompanying prospectus are only being distributed to, and is only directed at, persons in the United Kingdom that are qualified investors within the meaning of Article 2(1)(e) of the Prospectus Directive that are also (i) investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, or the Order, or (ii) high net worth entities, and other persons to whom it may lawfully be communicated, falling within Article 49(2)(a) to (d) of the Order (each such person being referred to as a "relevant person"). This prospectus supplement and its contents are confidential and should not be distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other persons in the United Kingdom. Any person in the United Kingdom that is not a relevant person should not act or rely on this document or any of its contents.

Notice to Prospective Investors in France

Neither this prospectus supplement nor any other offering material relating to the shares described in this prospectus supplement has been submitted to the clearance procedures of the *Autorité des Marchés Financiers* or of the competent authority of another member state of the European Economic Area and notified to the *Autorité des Marchés Financiers*. The shares have not been offered or sold and will not be offered or sold, directly or indirectly, to the public in France. Neither this prospectus supplement nor any other offering material relating to the shares has been or will be:

released, issued, distributed or caused to be released, issued or distributed to the public in France; or

used in connection with any offer for subscription or sale of the shares to the public in France.

Such offers, sales and distributions will be made in France only:

to qualified investors (investisseurs qualifiés) and/or to a restricted circle of investors (cercle restreint d'investisseurs), in each case investing for their own account, all as defined in, and in accordance with articles L.411-2, D.411-1, D.411-2, D.734-1, D.744-1, D.754-1 and D.764-1 of the French Code monétaire et financier;

to investment services providers authorized to engage in portfolio management on behalf of third parties; or

in a transaction that, in accordance with article L.411-2-II-1° -or-2° -or 3° of the French Code monétaire et financier and article 211-2 of the General Regulations (Règlement Général) of the Autorité des Marchés Financiers, does not constitute a public offer (appel public à l'épargne).